

Lab #7: Density Lab
Design your own density lab

Objective: Prove that water's density is an intensive property.

Procedure: Write your own! Here's what to consider:

- Do measurements/calculations to create AT LEAST 4 data points.
- Take into considerations your instruments when recording sig figs!

Data: You need to have:

- Organized data chart
- A line graph with mass (Y) vs. volume (X) and a line of best fit.
- Percent error calculations (density of water at room temperature is 0.997 g/ml).

Discussion/conclusions:

- What does your data show?
- What does the graph show?
- What can you conclude?
- Ways of improvement?